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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/066,537	02/04/2002	Wen-Sung Lee	PUSA020103	5789
7590 02/05/2004				
EXAMINER				
SNIDER, THERESA T				
ART UNIT		PAPER NUMBER		
1744				

DATE MAILED: 02/05/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/066,537	Applicant(s) LEE, WEN-SUNG	
	Examiner Theresa T. Snider	Art Unit 1744	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities:

Exemplary of such:

Page 4, line 11, it is unclear as to what is meant by 'a pressing button'. What is its function?

Lines 14 and 20, 'plastics' should be replaced with 'plastic';

Lines 16-17 and 19-20, would 'sucking pipe' be more appropriately replaced with 'nozzle'?

Line 24, it is unclear as to what is meant by 'rechargeable cell'.

Page 5, line 11, it is unclear as to what is meant by a 'rechargeable' socket. Is the socket being recharged?

Lines 18-19 should be deleted; they are repetitive of lines 14-15;

Line 25-page 6, lines 1-3, it is unclear as to the purpose of the bar disengaging from the recess. The disengagement allows for what?

Line 11, it is unclear as to what is meant by a 'sash' shade.

Appropriate correction is required.

### *Claim Objections*

2. Claims 1-4 are objected to because of the following informalities: claim 1, line 7, 'plastics' should be replaced with 'plastic'. Appropriate correction is required.

*Claim Rejections - 35 USC § 112*

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Exemplary of such:

Claim 1, lines 5-6, it is unclear as to the location of the 'pressing button' and 'spring' with respect to the previously recited elements;

Line 5, it is unclear as to what is meant by a 'pressing' button;

Lines 7-8, it is unclear as to the structural relationship of the elements with respect to each other;

Line 10, would 'sucking pipe' be more appropriately replaced with 'nozzle'?

Line 13, is the fan located in the head casing, which is also located in the front casing of the main casing?

Line 15, it is unclear as to what is meant by 'rechargeable 'cell';

Line 15, where is the cell located with respect to the container, which is also located in the bottom of the main casing?

Line 19, it is unclear as to what is meant by a 'rechargeable' socket;

Line 40, it is unclear as to what is meant by a 'sash' shade.

*Allowable Subject Matter*

5. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

6. Claims 2-4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: the prior art discloses a vacuum cleaner having a main casing with a plurality of vent holes, a head casing disposed on a front portion of the main casing having a front mouth with a sucking pipe having an end recess connected thereto, a handle connected to the main casing, a dust extractor fan disposed in the main casing, a filter net, rechargeable batteries, an inflator device disposed in the main casing and an illuminator device HOWEVER fails to disclose or fairly suggest a lower container disposed on a bottom of the main casing, the head casing having a rear insertion plate, the front mouth having a click block inserted in the end recess, the main casing having a plurality of bottom grooves, a lower front groove, a rear opening and a rear inner flange and the illuminator device having an inner shade surrounding the lamp, a protective shade covering the inner shade and a transparent sash shade having an outer flange to engage with the rear inner flange covering the rear opening of the main casing.

*Conclusion*

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Toya and Leung disclose vacuum cleaners operated by batteries that can also be used

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an illuminator. Fan and Krentz et al. disclose vacuum cleaners with an inflator device. Wei discloses a vacuum cleaner with an inflator device and an illuminator device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa T. Snider whose telephone number is (571) 272-1277. The examiner can normally be reached on Monday-Wednesday-Friday (6:30AM-3:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on (571) 272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

02/02/2004



Theresa T. Snider  
Primary Examiner  
Art Unit 1744